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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/785,566	02/24/2004	Michael D. Sawyer	P1984US00	9829
32710	7590	08/22/2005	EXAMINER	
Stites & Harbison PLLC TransPotomac Plaza 1199 North Fairfax Street, Suite 900 Alexandria, VA 22314-1437			DUONG, HUNG V	
			ART UNIT	PAPER NUMBER
			2835	

DATE MAILED: 08/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/785,566	SAWYER, MICHAEL D.	
	Examiner	Art Unit	
	Hung v. Duong	2835	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

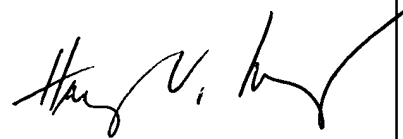
Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


HUNG VAN DUONG
PRIMARY EXAMINER

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-2, 7-8, 11-13, 15-17, 19-25, and 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Cole et al (US Pat. 6,597,794).

Regarding claims 1-2, 7-8, 11-13 15-17, 19-25, and 27 Cole et al disclose a system comprising: a portable computer chassis 602 having an internal speaker 650; and openings 634 in the chassis 602 from which sound from the speaker 650 can emanate, wherein the openings allow heat generated by the system to escape wherein the internal speaker 650 is located at least a minimum distance away from the openings, separate air intake vents located on the chassis 602. A portable computer system comprising: a portable computer chassis 602 having an internal speaker 650; a heat generating device 640 disposed within the chassis 602; a first opening in the chassis spaced apart from the internal speaker, wherein the opening facilitates emanation of sound outside the computer chassis 602, and wherein the first opening

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further facilitates flow of air between the internal speaker 650 and the first opening; and a second opening in the chassis 602 positioned to facilitate airflow between the second opening along a path past heat generated by the heat generating device 640 within the chassis 602 and the first opening to remove heat from within the computer chassis 602 wherein the first opening comprises a grill 718.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-6, 10, 14, 18, are rejected under 35 U.S.C. 103(a) as being unpatentable over Cole et al (US Pat. 6,597,794) in view of Homer et al (US Pat. 6,671,171).

Regarding claims 3-6, 10 18, Cole et al disclose all the subject matter of the claimed invention except for two internal speakers and openings proximate to each other wherein the openings are located on a front surface of the portable computer. However Horner et al disclose two internal speakers and openings proximate to each other wherein the openings are located on a front surface of the portable computer (see figure 1). Therefore, it would be obvious to one of ordinary skill in the art to modify two internal speakers and openings proximate to each other wherein the openings are

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located on a front surface of the portable computer of Horner into Cole et al' s computer system in order to improve the sound system.

Regarding claim 14, Cole et al disclose a third opening and further speaker positioned proximate the third opening to promote airflow between the third opening and further speaker (see figure 1). Therefore, it would be obvious to one of ordinary skill in the art to modify a third opening and further speaker positioned proximate the third opening to promote airflow between the third opening and further speaker of Horner into Cole et al' s computer system in order to improve the sound system.

Claims 9,26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cole et al (US Pat. 6,597,794) in view of Liu (US Pat. 5,448,495).

Regarding claims 9,26, Cole et al disclose all the subject matter of the claimed invention except for ventilation fans located between the air intake vents and heat cooling components. However Liu disclose ventilation fans located between the air intake vents and heat cooling components (see column 2, lines 41+). Therefore, it would be obvious to one of ordinary skill in the art to modify ventilation fans located between the air intake vents and heat cooling components of Liu into Cole et al' s computer system in order to cool the computer system.

Response to Amendment

3. Applicant's arguments with respect to claims 1-27 have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Numano et al (US 2003/0105892) teach internal speaker within electronic apparatus.

Hwang et al (US Pat. 6,625,469) teach upper support assembly for wireless communication device.

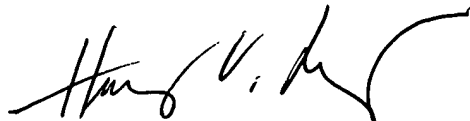
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung Duong whose telephone number is (571) 272-2041. The examiner can normally be reached on M-F from 8:30 to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild can be reached on (571) 272-2092. The fax phone number for this Group is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956

HVD

08/15/05.

A handwritten signature in black ink, appearing to read 'Hung V. Duong', with a stylized flourish at the end.

Hung Duong
Primary Examiner.